

ABSTRACT

A system and method are described for performing security operations on network data. According to an exemplary embodiment, a system for performing security operations on network data includes memory and a data coprocessor configured to transfer data into and out of the memory. A plurality of processors are coupled to the memory and to the data coprocessor. Each processor is configured to perform, in parallel to one another, security operations on a portion of the data. The system includes a plurality of security coprocessors coupled to the memory. Each security coprocessor is coupled to a respective one of the processors and configured to assist the respective processor in performing security operations on the portion of the data.